

09/540,578

**AMENDMENTS TO THE SPECIFICATION**

Please insert the following after line 23 of page 15 in the specification.

The SSR profile of Inbred PH3AV can be found in Table A.

Public Name of Marker	bin #	PH3AV base pairs
phi427913	1.01	129.38
bnlg1014	1.01	115.95
phi056	1.01	244.05
bnlg1083	1.02	221.86
bnlg1127	1.02	96.21
bnlg1953	1.02	205.80
bnlg1429	1.02	190.09
bnlg1627	1.02	198.87
bnlg439	1.03	232.00
phi109275	1.03	131.94
phi339017	1.03	145.56
bnlg1203	1.03	306.51
bnlg1484	1.03	143.49
bnlg2086	1.04	224.54
bnlg1886	1.05	141.48
bnlg1057	1.06	247.00
bnlg1041	1.06	240.52
bnlg1615	1.06	223.21
bnlg1556	1.07	198.63
phi323065	1.08	329.53
phi335539	1.08	88.58
phi423298	1.08	133.68
bnlg1331	1.09	117.15
phi011	1.09	226.98
phi308707	1.10	131.11
phi227562	1.11	322.45
phi265454	1.11	217.66
phi064	1.11	80.39
phi402893	2.00	212.91
phi96100	2.01	280.53
bnlg1017	2.02	195.57
bnlg2277	2.02	294.16
bnlg1064	2.03	188.18
bnlg1018	2.04	134.33
bnlg1909	2.05	305.89

09/540,578

Public Name of Marker	bin #	PH3AV base
bnlg1138	2.06	223.89
bnlg1396	2.06	133.20
bnlg1831	2.06	185.86
phi251315	2.07	123.79
phi328189	2.08	121.35
phi427434	2.08	130.91
phi435417	2.08	214.27
bnlg1141	2.08	152.92
bnlg1940	2.08	247.33
phi127	2.08	122.04
bnlg1520	2.09	312.51
phi101049	2.10	244.88
phi453121	3.00	223.43
phi404206	3.01	300.24
phi193225	3.02	136.71
phi374118	3.02	222.89
bnlg1144	3.02	165.80
bnlg1647	3.02	161.75
bnlg1523	3.03	264.89
bnlg1019	3.04	178.28
bnlg1452	3.04	84.44
bnlg1035	3.05	112.85
phi053	3.05	191.64
phi102228	3.06	135.04
bnlg1160	3.06	222.23
bnlg1951	3.06	126.99
bnlg2241	3.06	142.63
phi072	4.00	139.43
phi213984	4.01	284.60
phi295450	4.01	186.98
bnlg1162	4.03	126.15
phi308090	4.04	218.64
phi096	4.04	234.58
phi438301	4.05	208.45
bnlg1159	4.05	147.81
bnlg1755	4.05	216.63
bnlg1937	4.05	218.18
bnlg1265	4.05	198.45
phi079	4.05	185.40
bnlg1189	4.07	140.17
bnlg2244	4.08	216.18

09/540,578

Public Name of Marker	bin #	PH3AV base pair
bnlg1006	5.00	252.16
phi396160	5.02	298.12
phi109188	5.03	161.52
bnlg653	5.04	151.67
phi330507	5.04	131.59
phi331888	5.04	130.72
bnlg1208	5.04	134.77
bnlg1892	5.04	147.78
phi333597	5.05	216.51
phi085	5.06	256.26
bnlg1118	5.07	72.54
bnlg1711	5.07	178.63
phi423796	6.01	128.39
phi389203	6.03	306.15
phi452693	6.04	130.98
phi445613	6.05	100.12
bnlg1174	6.05	218.72
phi299852	6.07	117.30
bnlg1759	6.07	136.00
phi070; umc1063	6.07	81.05
phi034	7.02	137.50
bnlg2271	7.03	233.69
phi328175	7.04	121.92
phi260485	7.05	318.75
phi069	7.05	201.72
phi116	7.06	158.89
phi420701	8.00	291.88
bnlg1194	8.02	140.77
phi100175	8.03	144.28
bnlg2082	8.03	172.52
phi115	8.03	302.63
phi121	8.03	97.90
bnlg2046	8.04	326.12
bnlg1176	8.05	251.69
bnlg1152	8.06	148.42
bnlg1056	8.08	108.46
phi015	8.08	81.89
phi233376	8.09	147.93
bnlg2122	9.01	223.46
bnlg1012	9.04	157.54

09/540,578

Public Name of Marker	bin #	PH3AV base pairs
phi032	9.04	236.63
phi108411	9.05	126.04
phi236654	9.05	122.93
bnlg1375	9.07	185.88
bnlg1129	9.08	298.38
phi041	10.00	202.94
phi96342	10.02	245.07
phi059	10.02	153.35
bnlg1079	10.03	172.22
phi050	10.03	81.29
phi301654	10.04	128.33
phi062	10.04	157.81
phi323152	10.05	141.15
bnlg1074	10.05	161.94
bnlg1185	10.07	151.61
bnlg1450	10.07	181.77
phi109642	2.03/2.04	148.23
bnlg1720	1.09/1.10	236.44